



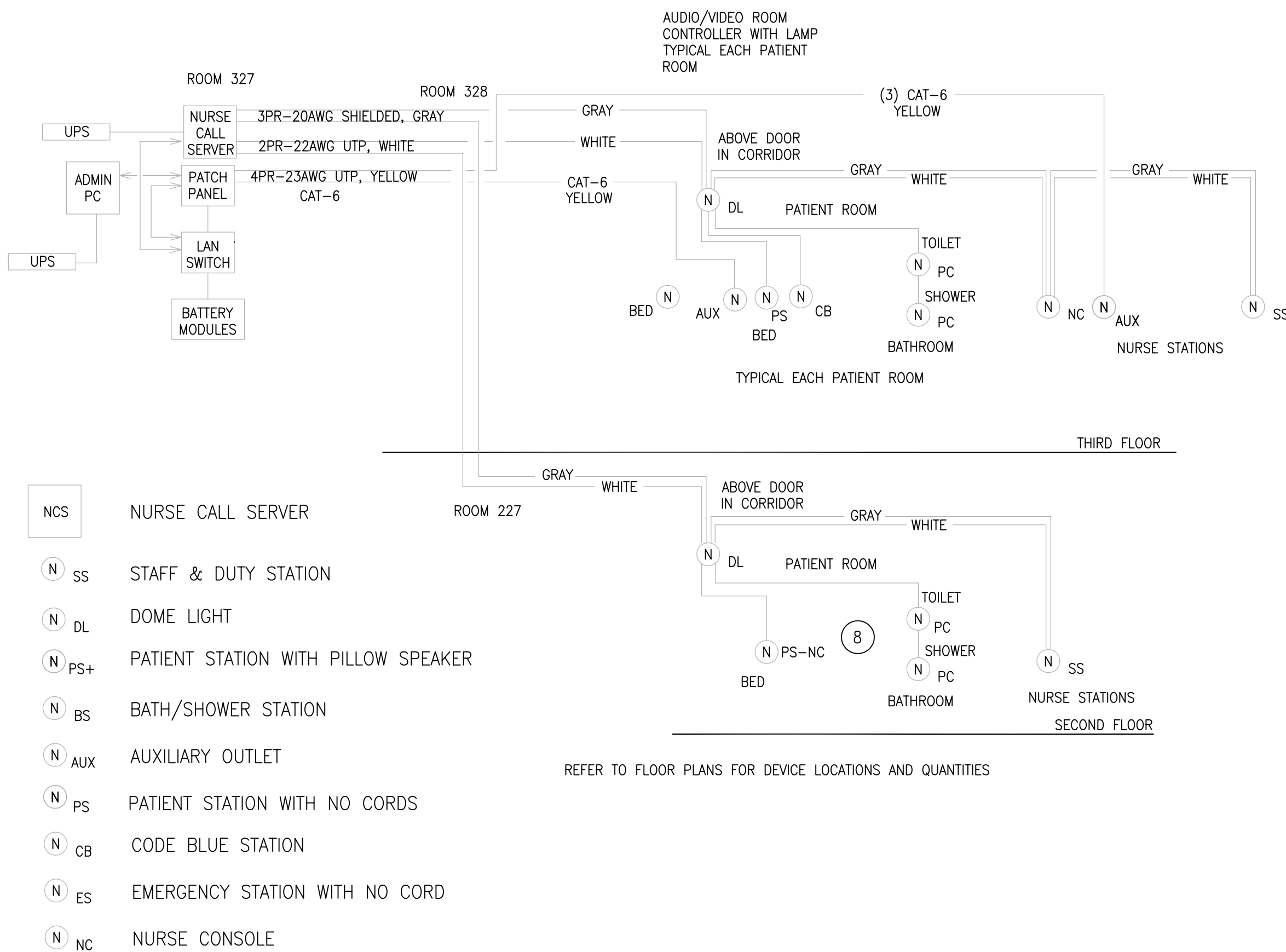
- A. J-HOOKS NOT SHOWN. PROVIDE J-HOOKS ABOVE ACCESSIBLE LAY-IN TILE CEILING AT 48" SPACING.
- B. INSTALL ALL COMMUNICATION CABLES IN CABLE TRAY UNLESS OTHERWISE NOTED.
- C. TERMINATE CAT 6 UTP CABLES PER T568A PINSING.
- D. BOND METALLIC MATERIALS TOGETHER TO INCLUDE CONDUIT SLEEVES. FASTEN CONDUIT ENDS TO CABLE TRAY WITH MANUFACTURER'S FITTINGS OR BOND TO TRAY WITH #6 GREEN INSULATED BONDING CONDUCTOR. BOND DISJOINTED TRAY SECTIONS TOGETHER.
- E. LABEL CABLE ENDS, FACEPLATES AND JACKS WITH PRE-APPROVED LABELING PRODUCTS TO MATCH APPROVED LABEL SAMPLES.
- F. FIRESTOP WALL AND FLOOR PENETRATIONS PER APPROVED UL SYSTEMS. RETURN GYPSUM BOARD AND ACOUSTICAL TILE PENETRATION TO ORIGINAL FIRE RATING.
- G. COORDINATE WITH OWNER AND PROVIDE CONNECTIVITY TO EXISTING SYSTEMS IN OTHER BUILDINGS AS FOLLOWS:
 - FIRE ALARM SYSTEM - BUILDING 50
 - REFRIGERATION MONITORING - BUILDING 114, 50 AND 46.
 - ACCESS CONTROL - BUILDING 67.
- H. INSTALL SECURITY CABLES IN CONDUIT UNLESS OTHERWISE NOTED.
- I. WORK OF DIVISIONS 26, 27 AND 28 IS SHOWN ON THIS DRAWING.

1. NETWORK EQUIPMENT PROVIDED BY OWNER.
2. PROVIDE CONNECTIVITY AS REQUIRED TO ENABLE REMOTE MONITORING PER GENERAL NOTE G ON THIS SHEET.
3. PROVIDE 2-HOLE LUGS ON EXISTING BONDING CONDUCTORS AND TRANSFER TO NEW BUSBAR: GENERAL NOTE G AND T3.1-3.
4. PROVIDE NEW BUSBARS ON WALL: RE: T3.1-3.
5. PROVIDE NEW BONDING CONDUCTOR THROUGH EXISTING PATHWAY AND BOND TO EACH NEW BUSBAR WITH 2-HOLE LUGS.
6. REPLACE EXISTING TMGB WITH NEW BUSBAR: RE: T2.0-1.
7. VERIFY AND DOCUMENT EXISTING BONDING CONDUCTORS.

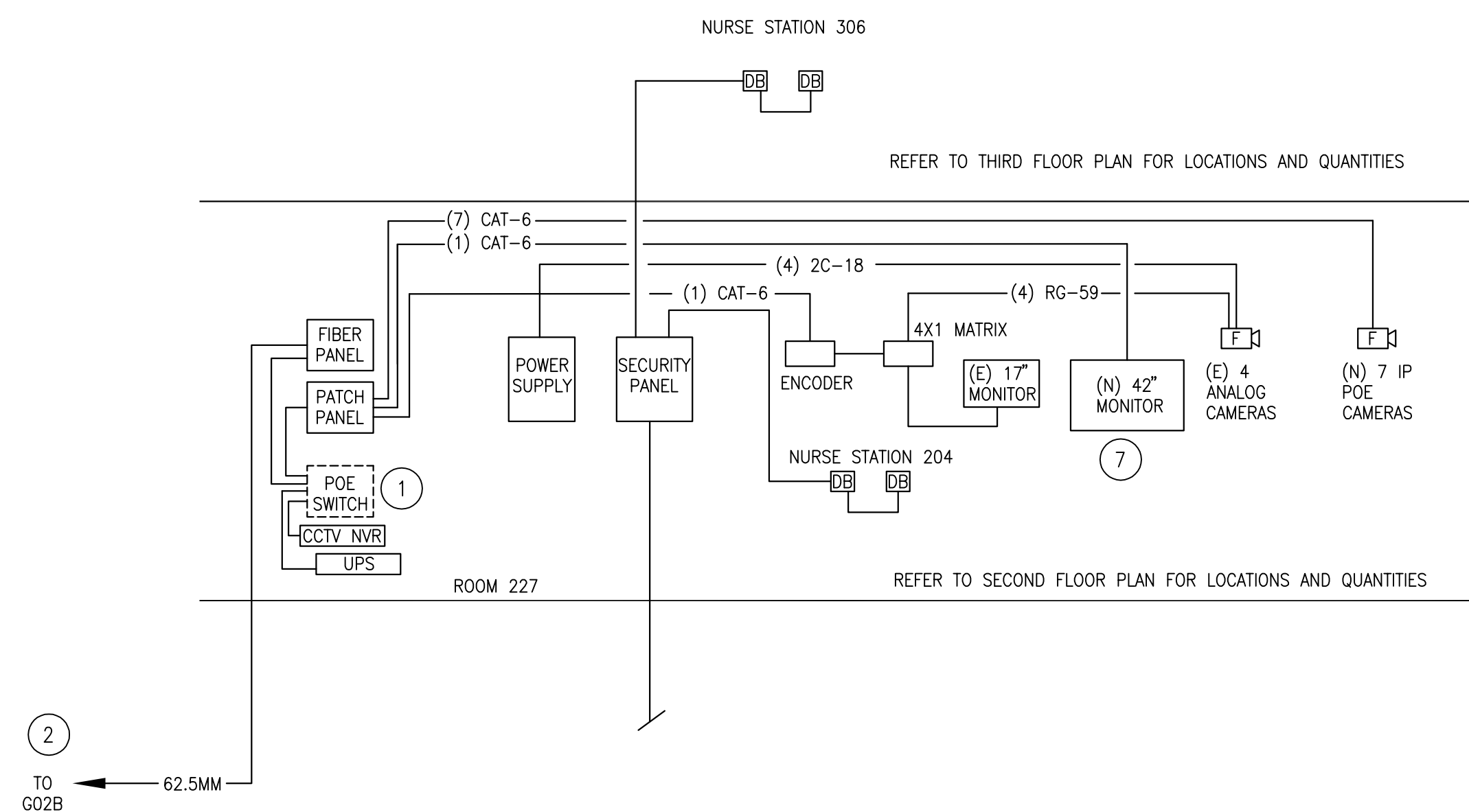


DEPARTMENT OF VETERANS AFFAIRS

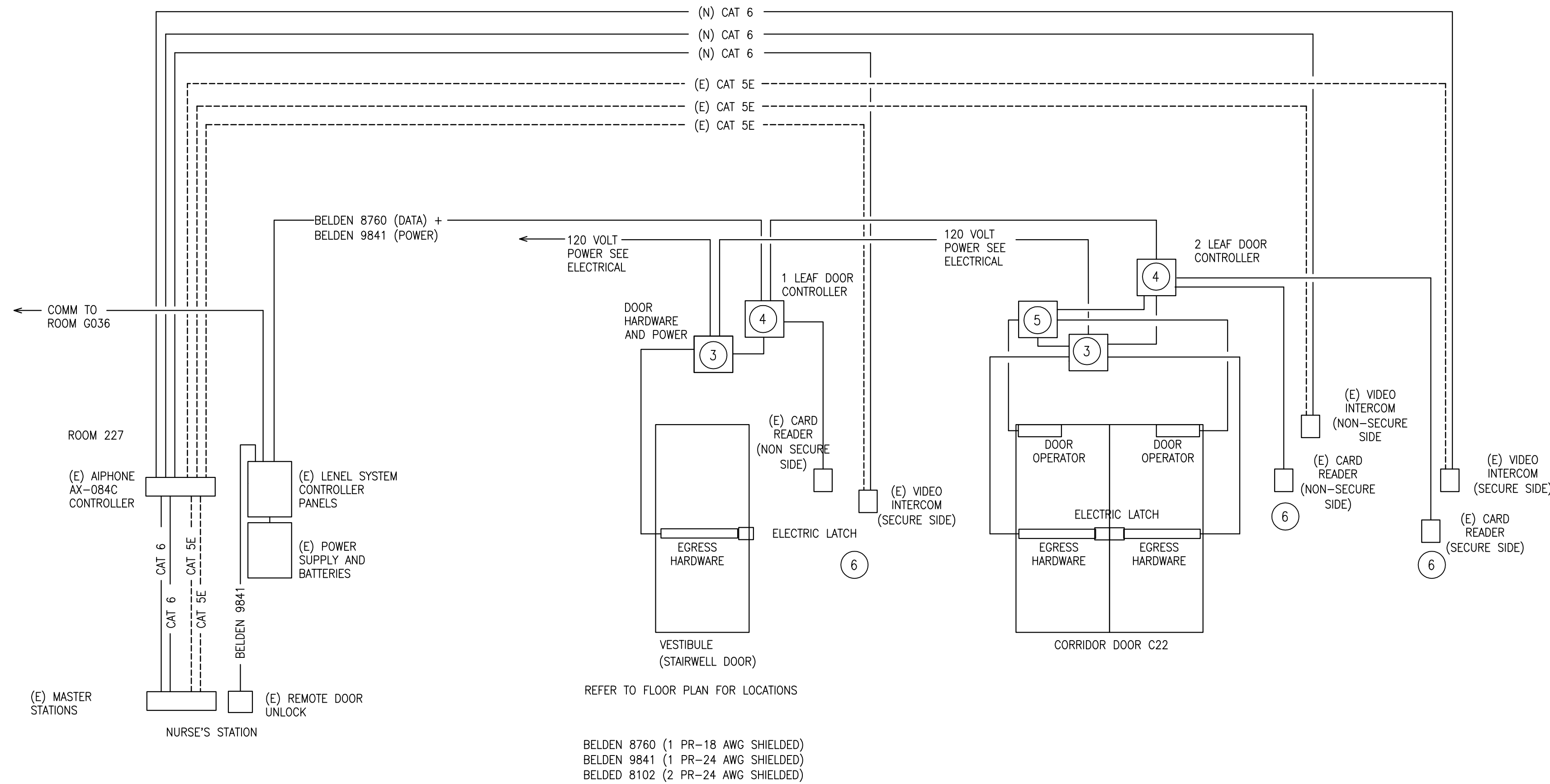
ONE EIGHTH INCH = ONE FOOT
ONE QUARTER INCH = ONE FOOT
THREE EIGHTHS INCH = ONE FOOT
ONE HALF INCH = ONE FOOT
THREE QUARTERS INCH = ONE FOOT
ONE INCH = ONE FOOT
ONE AND ONE HALF INCHES = ONE FOOT
THREE INCHES = ONE FOOT



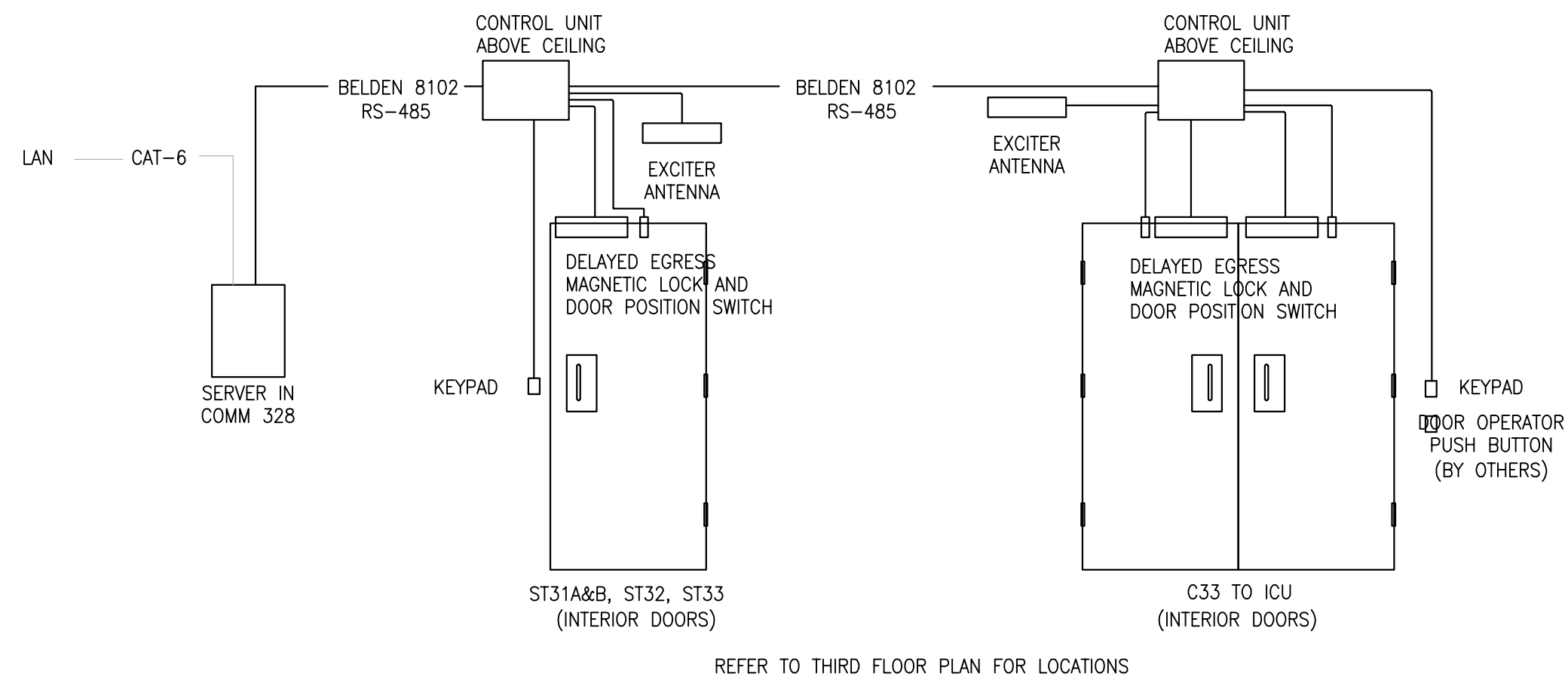
1 NURSE CALL SYSTEM
SCALE: NONE



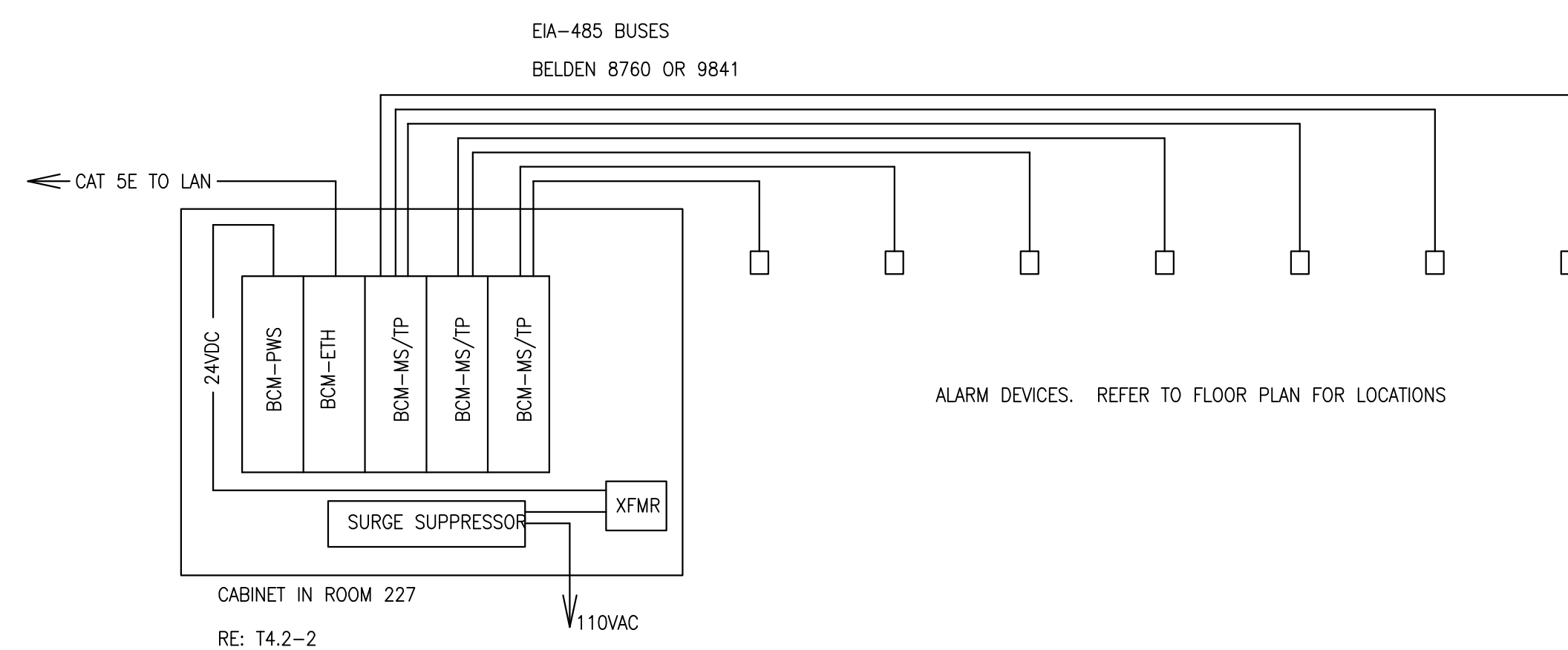
2 VIDEO SURVEILLANCE SYSTEM
SCALE: NONE



3 ACCESS CONTROL SYSTEM
SCALE: NONE



4 PATIENT WANDER PREVENTION SYSTEM
SCALE: NONE



5 DURESS ALARM
SCALE: NONE

GENERAL NOTES:

- J-HOOKS NOT SHOWN. PROVIDE J-HOOKS ABOVE ACCESSIBLE LAY-IN TILE CEILING AT 48" SPACING.
- INSTALL ALL COMMUNICATION CABLES IN CABLE TRAY UNLESS OTHERWISE NOTED.
- TERMINATE CAT 6 UTP CABLES PER T568A PINNING.
- BOND METALLIC MATERIALS TOGETHER TO INCLUDE CONDUIT SLEEVES. FASTEN CONDUIT ENDS TO CABLE TRAY WITH MANUFACTURER'S FITTINGS OR BOND TO TRAY WITH #6 GREEN INSULATED BONDING CONDUCTOR. BOND DISJOINTED TRAY SECTIONS TOGETHER.
- LABEL CABLE ENDS, FACEPLATES AND JACKS WITH PRE-APPROVED LABELING PRODUCTS TO MATCH APPROVED LABEL SAMPLES.
- FIRESTOP WALL AND FLOOR PENETRATIONS PER APPROVED UL SYSTEMS. RETURN GYPSUM BOARD AND ACOUSTICAL TILE PENETRATION TO ORIGINAL FIRE RATING.
- COORDINATE WITH OWNER AND PROVIDE CONNECTIVITY TO EXISTING SYSTEMS IN OTHER BUILDINGS AS FOLLOWS:
FIRE ALARM SYSTEM - BUILDING 50
REFRIGERATION MONITORING - BUILDING 114, 50 AND 46.
SECURITY - BUILDING 67.
- INSTALL SECURITY CABLES IN CONDUIT UNLESS OTHERWISE NOTED.
- WORK OF DIVISIONS 26, 27 AND 28 IS SHOWN ON THIS DRAWING.

SHEET NOTES:

- EXISTING NETWORK EQUIPMENT.
- PROVIDE CONNECTIVITY AS NEEDED TO ENABLE REMOTE MONITORING PER GENERAL NOTE 6 ON THIS SHEET.
- PROVIDE JUNCTION BOX FOR LOW VOLTAGE ELECTRIFIED DOOR HARDWARE WIRING.
- PROVIDE JUNCTION BOX FOR SECURITY DEVICE WIRING.
- PROVIDE JUNCTION BOX DOOR OPERATOR WIRING.
- REPLACE ACCESS CONTROL CABLING AS NEEDED TO REACTIVATE SECURITY AT NEW DOOR LOCATIONS. REUSE EXISTING MATERIALS AS POSSIBLE. PROVIDE NEW CABLE.
- VIEW 11 CAMERAS ON NEW MONITOR. INSTALL OWNER FURNISHED MONITOR AND MOUNT. PROVIDE CABLING AND ADAPTERS FOR CAT-6 CABLING AS NEEDED.
- DEVICES ON SECOND FLOOR SHALL NOT HAVE CORDS.

REVISIONS	DATE

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531-320_T3.2.DWG
XREF FILE NAME:
531-320_30x42TLBK.DWG

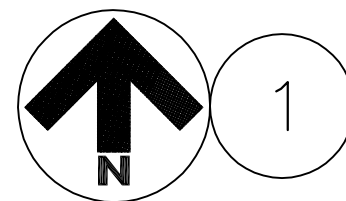
DRAWING TITLE	
SECURITY SCHEMATICS	
APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE	
APPROVED: MEDICAL CENTER DIRECTOR	

PROJECT TITLE	
BOISE VAMC BUILDING 67 EXPANSION	
BUILDING NUMBER	CHECKED
67	AKD
DRAWN	JDR
LOCATION	
VAMC BOISE, IDAHO	

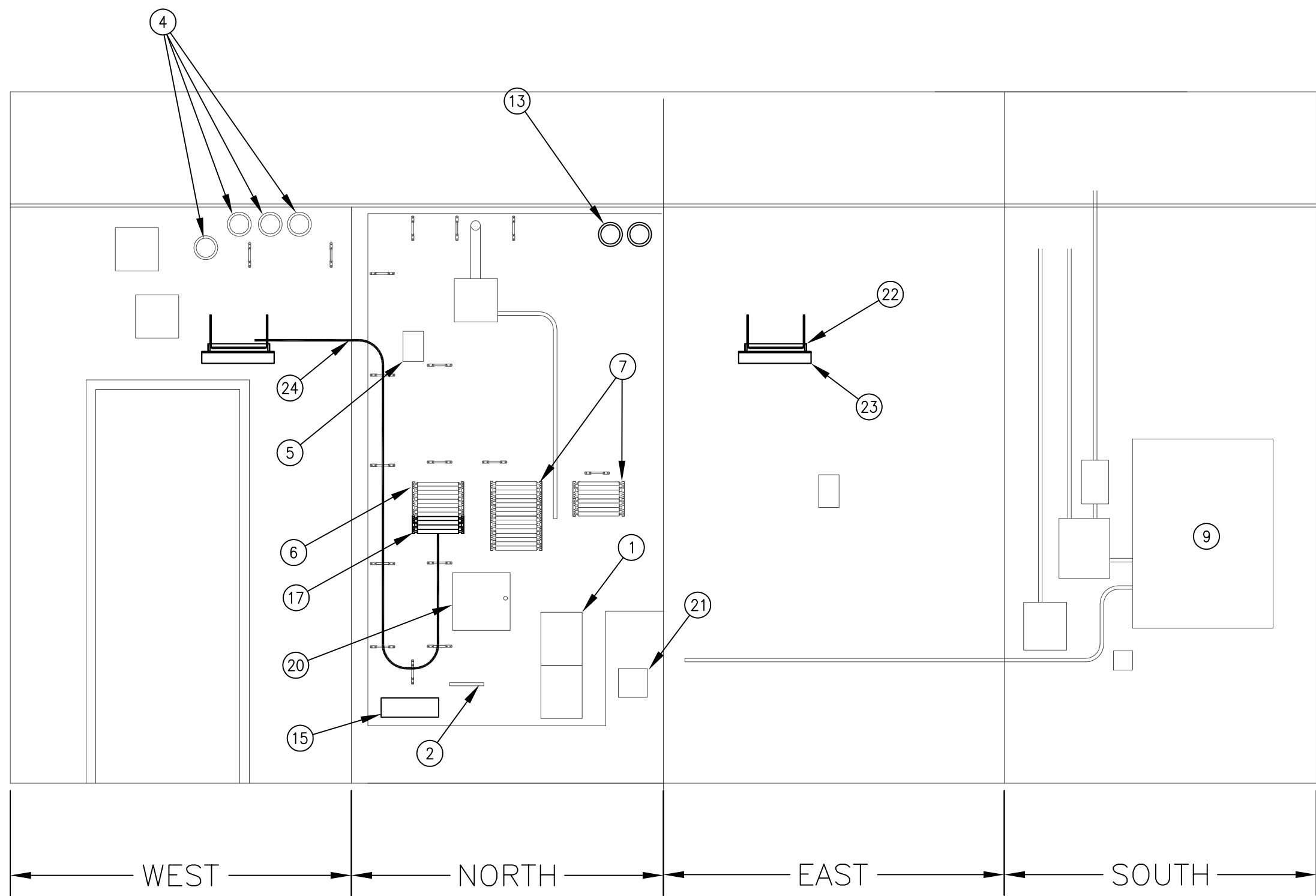
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PROJECT NO.	531-320
DRAWING NO.	T3.2
DWG 175 OF 191	



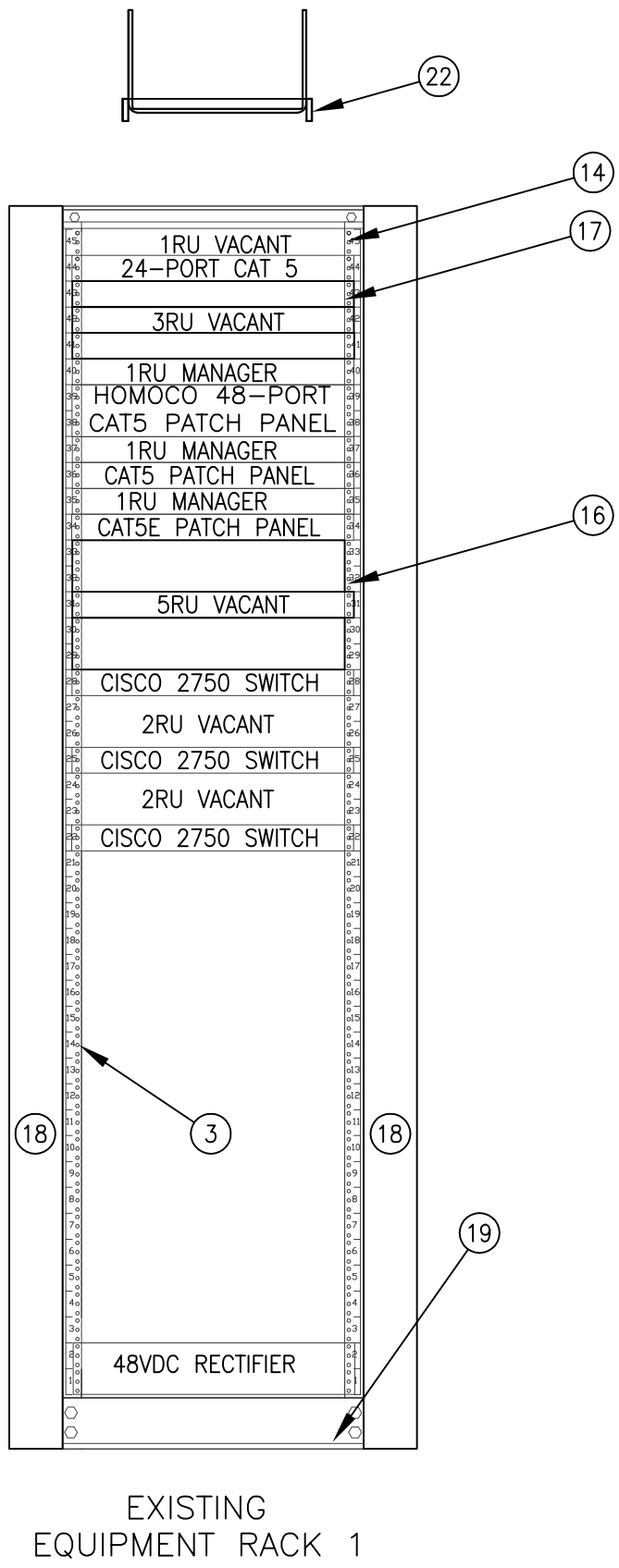
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6"



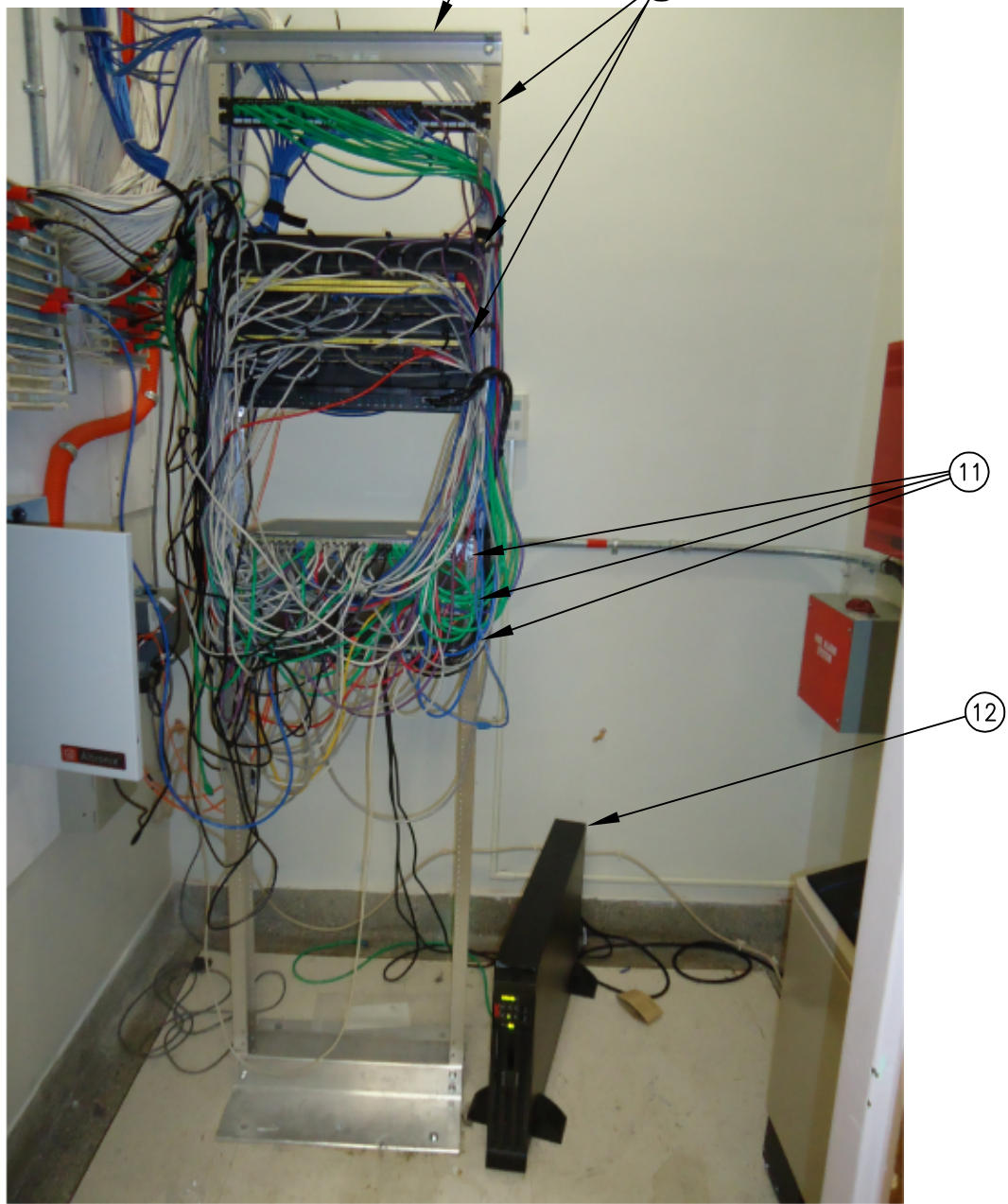
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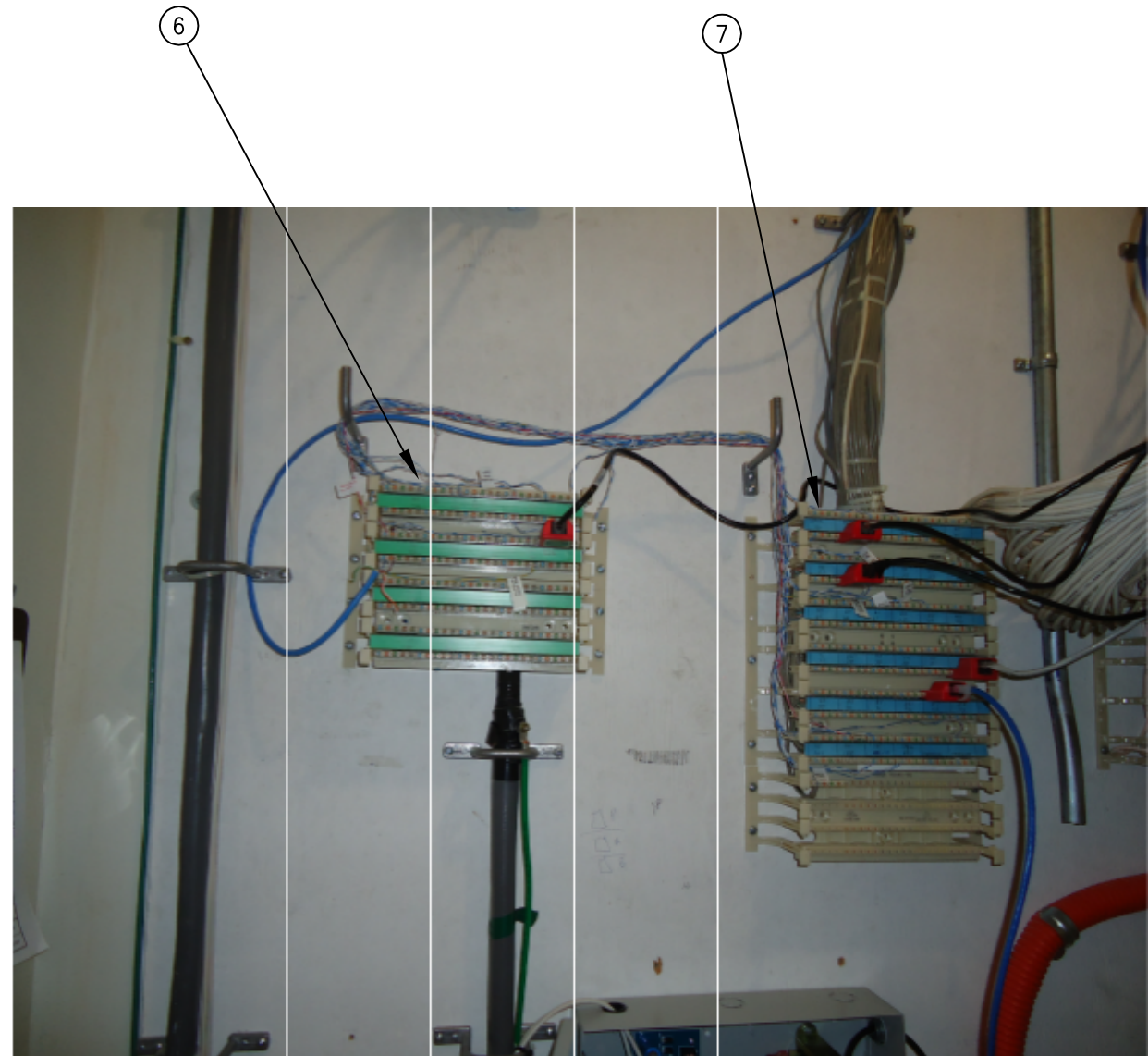
2 ROOM 155 WALL ELEVATIONS
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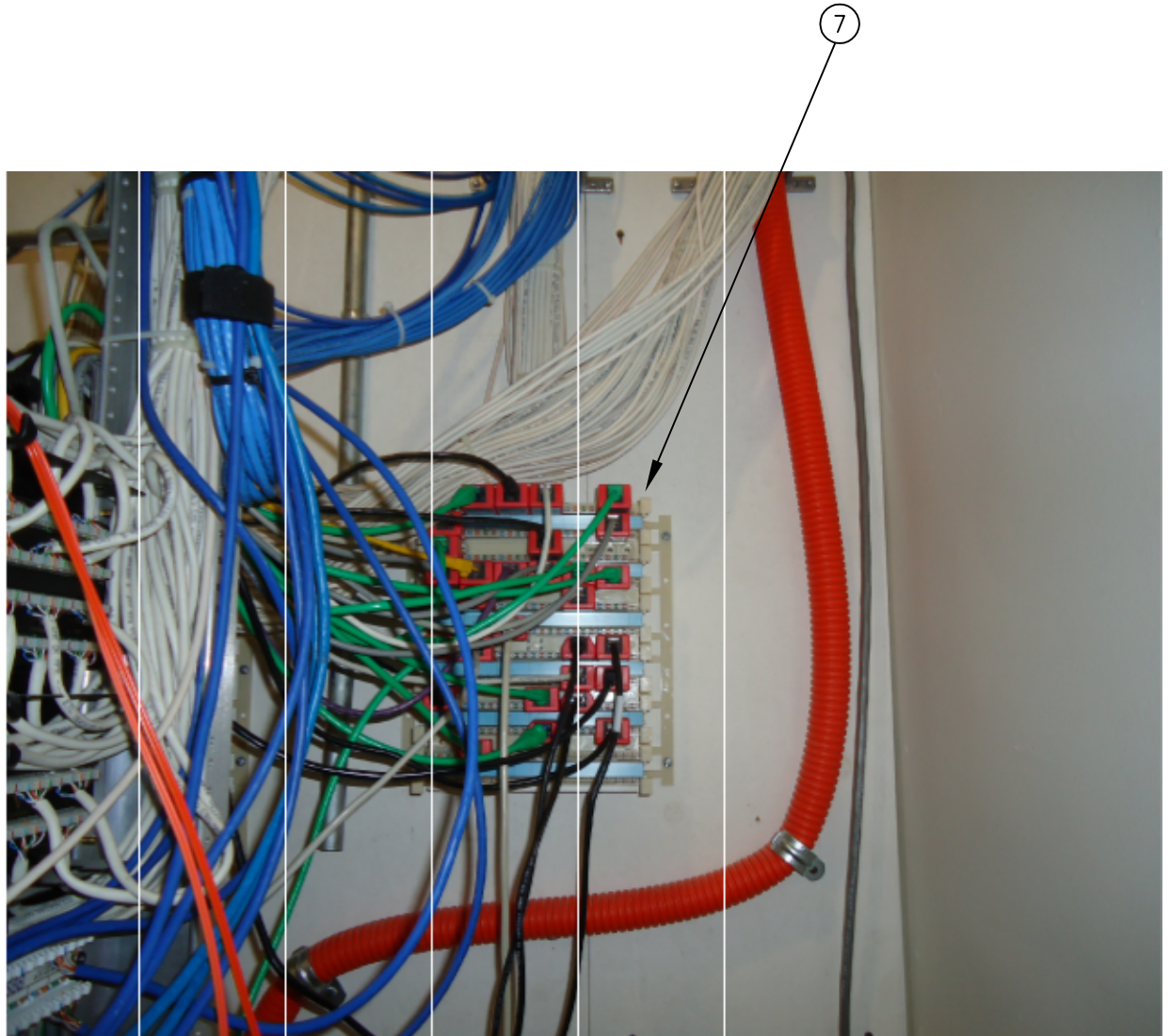
3 ROOM 155 RACK ELEVATION
SCALE: 1" = 1'-0"



4 EQUIPMENT RACK PHOTO
SCALE: NONE



5 110 FIELD PHOTO 1 OF 2
SCALE: NONE



6 110 FIELD PHOTO 2 OF 2
SCALE: NONE

GENERAL NOTES:

- A. TERMINATE CABLES FROM FIRST FLOOR IN THIS TELECOMMUNICATIONS ROOM.
- B. FIRESTOP WALL PENETRATIONS AND CONDUIT SLEEVE ENDS AFTER INSTALLATION OF CABLES.
- C. COORDINATE WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND FIRE SAFETY WORK TO AVOID CONFLICTS. DO NOT BEGIN INSTALLATION OF TELECOMMUNICATIONS HARDWARE UNTIL DOOR IS INSTALLED AND SPACE IS PAINTED.
- D. REFER TO SHEET T3.1-3 FOR BONDING AND GROUNDING REQUIREMENTS OF TMGB AND TGB.

SHEET NOTES:

1. (E) WALL MOUNTED OPTICAL FIBER ENCLOSURES.
2. (E) GROUNDING BUS. REPLACE WITH NEW PER SHEET NOTE 15.
3. (E) EQUIPMENT RACK.
4. (E) CONDUIT SLEEVES WITH FIRESTOPPING PUTTY.
5. (E) CATV TAP
6. (E) CAT-3 BACKBONE TERMINATION ON 110 BLOCKS, 901-1100.
7. (E) CAT-5 HORIZONTAL TERMINATIONS ON 110 BLOCKS.
8. (E) WALL-MOUNTED SECURITY PANEL.
9. (E) FIRE ALARM PANEL.
10. (E) PATCH PANELS.
11. (E) NETWORK SWITCHES.
12. (E) NETWORK UPS.
13. (N) SLEEVES WITH FIRESTOP TO CABLE TRAY IN CORRIDOR.
14. (N) RACK MOUNT GROUND BAR WITH NO. 6 CONDUCTOR TO NEW WALL MOUNT BUSBAR.
15. (N) WALL MOUNT BUSBAR WITH 3/0 BONDING CONDUCTOR TO TMGB. TRANSFER EXISTING CONDUCTORS FROM EXISTING BAR.
16. (N) PATCH PANELS AND 1 RU HORIZONTAL MANAGERS WITH COVERS FOR NEW HORIZONTAL CABLING.
17. (N) PATCH PANEL WITH 25-PAIR TIE CABLE FROM TWISTED PAIR BACKBONE TERMINATIONS ON 110 BLOCKS.
18. PROVIDE TWO DOUBLE SIDED VERTICAL CABLE MANAGERS (CPI 13911-703 OR EQUAL), 3.9"(100MM)W X 16.4" (400MM) D X 7"H. DRESS EXISTING AND NEW HORIZONTAL CABLE IN BACK AND PATCH CORDS IN FRONT.
19. MOVE EXISTING EQUIPMENT RACK TO ALLOW INSTALLATION OF VERTICAL MANAGERS AND PROVIDE NEW ANCHORS IN CONCRETE FLOOR. PLUG ABANDONED ANCHOR HOLES. DRESS EXISTING CABLES ON REAR OF VERTICAL MANAGERS. DRESS EXISTING PATCH CORDS ON FRONT OF VERTICAL MANAGERS. INFORM OWNER OF EXISTING PATCH CORDS THAT MUST BE REPLACED DUE TO INSUFFICIENT LENGTH.
20. (E) POWER SUPPLY FOR SECURITY DEVICES.
21. (E) POWER SUPPLY AND INTERFACE ENCLOSURE FOR SECURITY DEVICES.
22. (N) 12" LADDER STYLE CABLE RACK AT7'-6" A.F.F.
23. (N) WALL ANGLE AND J-HOOKS AT WALL TO SUPPORT CABLE RACK.
24. (N) 25-PAIR, 24 AWG CAT 3 UTP FROM 110 WIRING BLOCK TO EQUIPMENT RACK. ROUTE ON NEW CABLE TRAY.
25. (N) TRAY IN CORRIDOR. BOND TO TGB.

REVISIONS	DATE

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XREF FILE NAME:
531-320_30X42TLBK.DWG

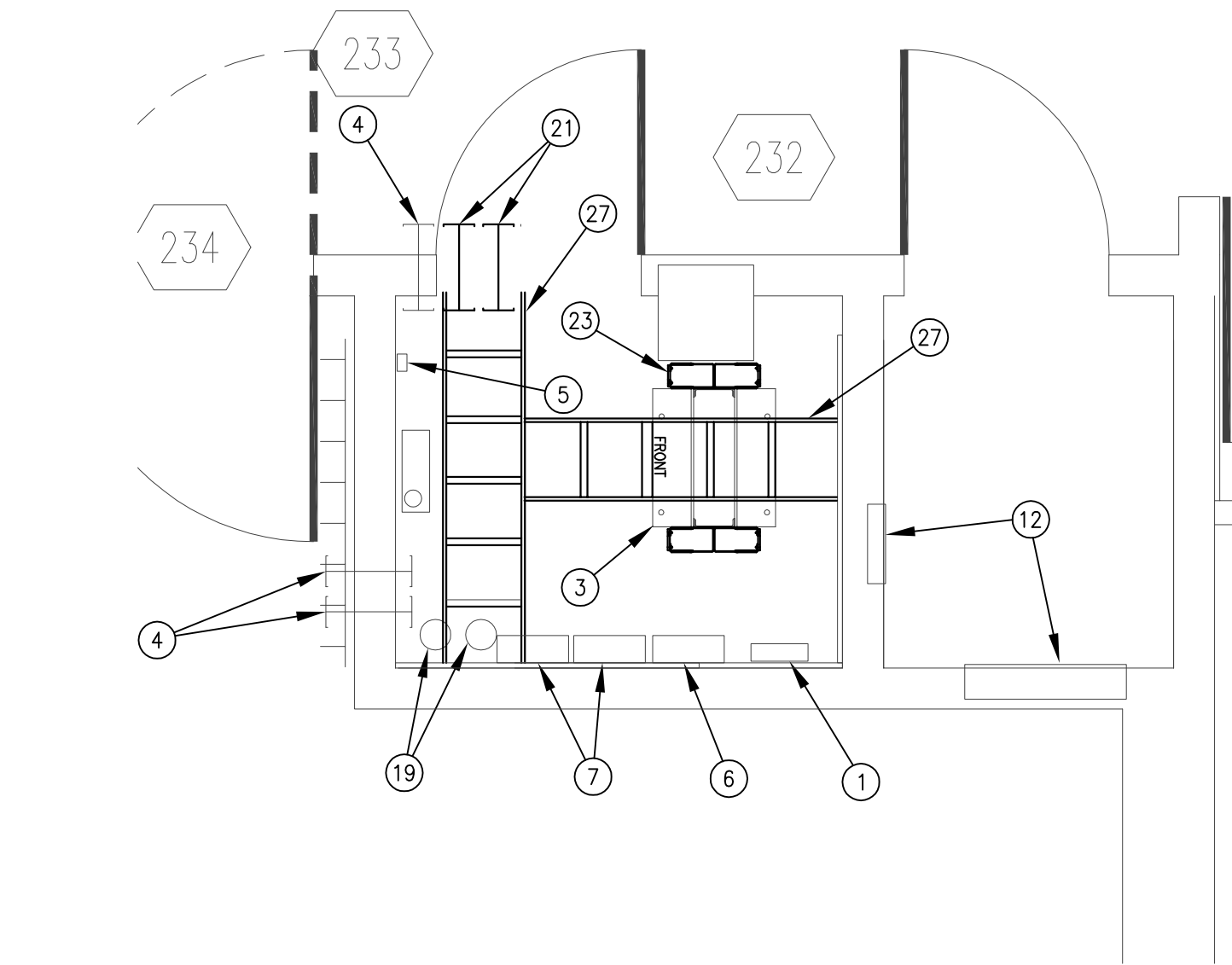
DRAWING TITLE	
FIRST FLOOR TELECOMMUNICATION ROOM DETAILS	
APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE	
APPROVED: MEDICAL CENTER DIRECTOR	

PROJECT TITLE		
BOISE VAMC BUILDING 67 EXPANSION		
BUILDING NUMBER 67	CHECKED JDR	DRAWN JDR
LOCATION VAMC BOISE, IDAHO		

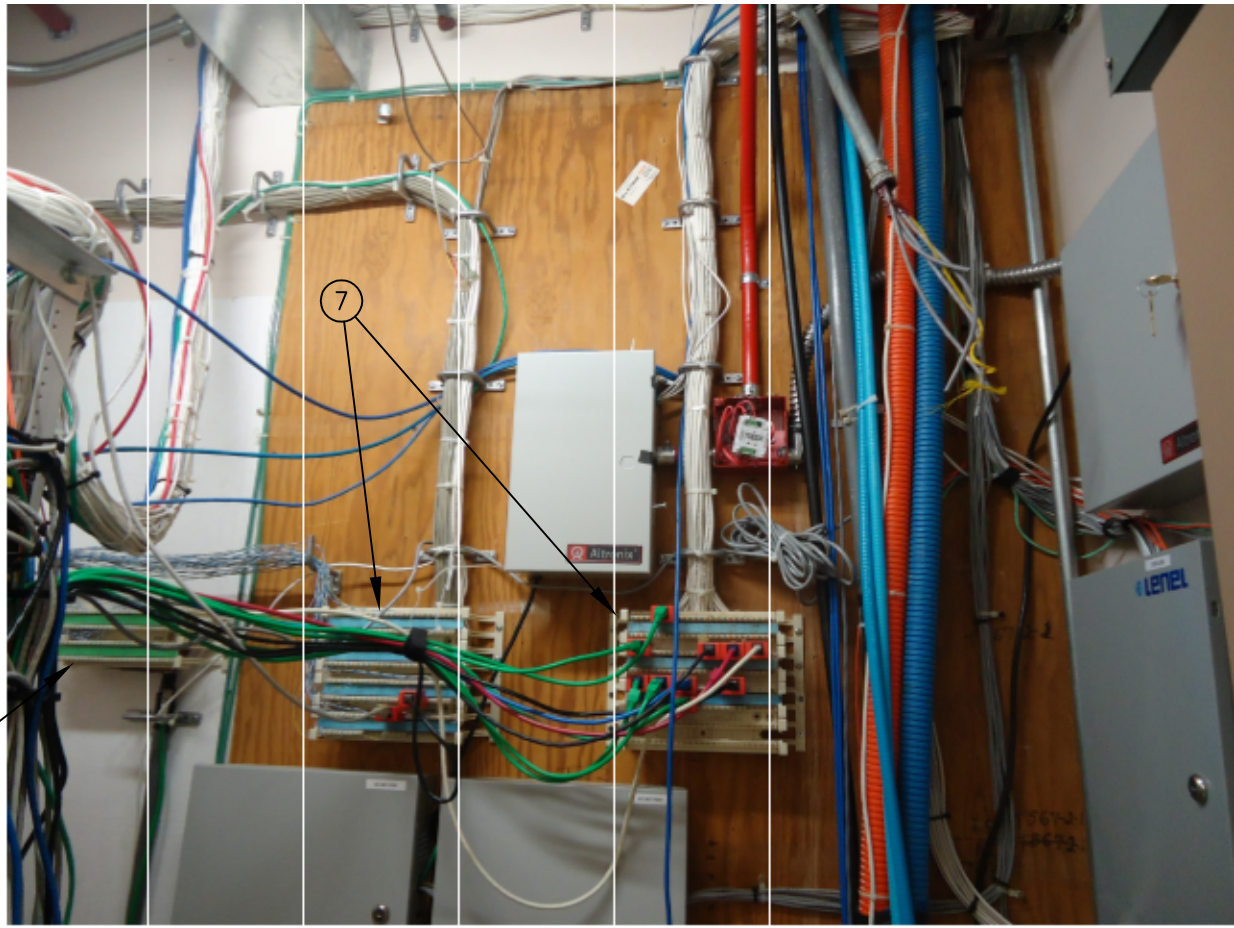
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PROJECT NO.	531-320
DRAWING NO.	T4.1
DWG 176 OF 191	



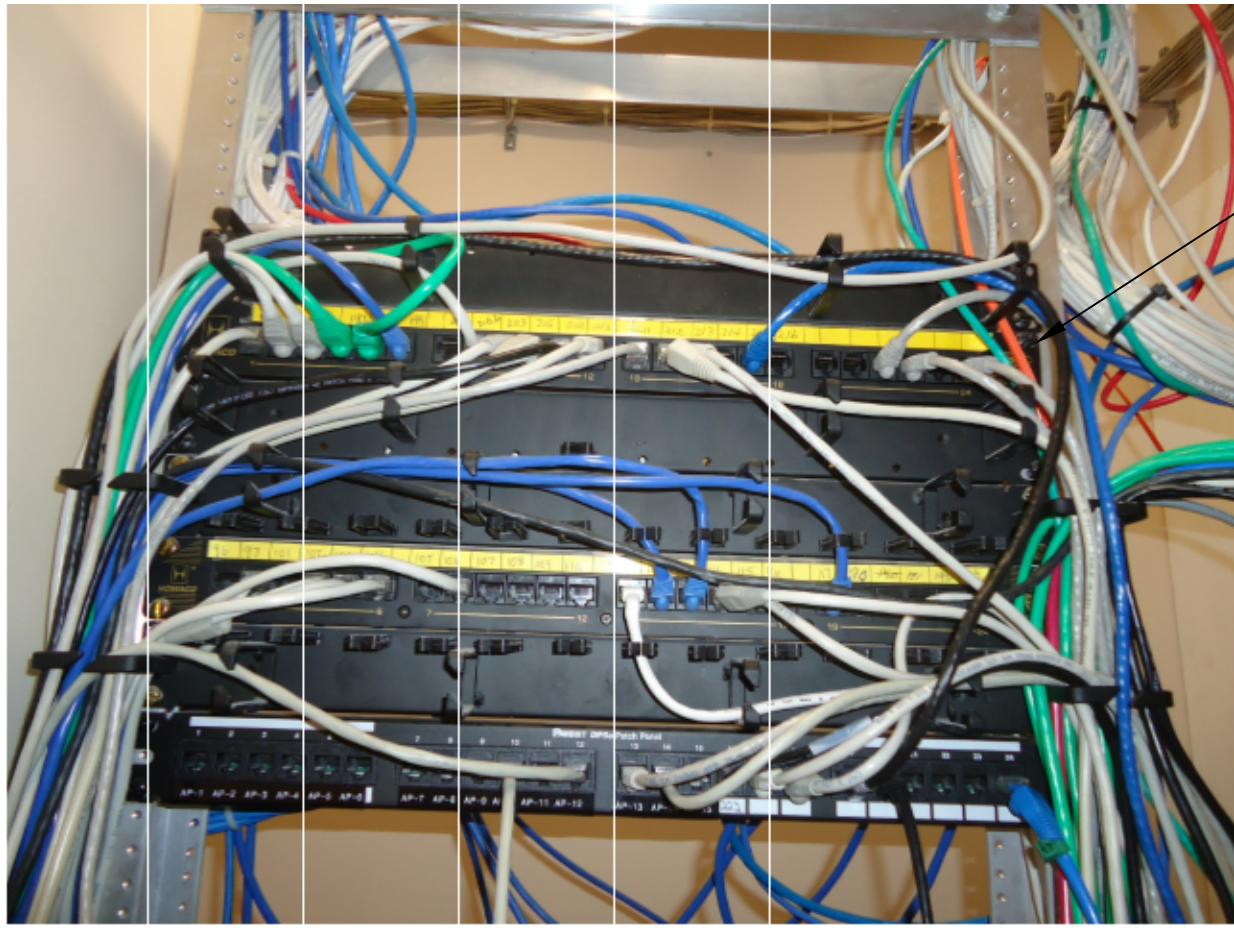
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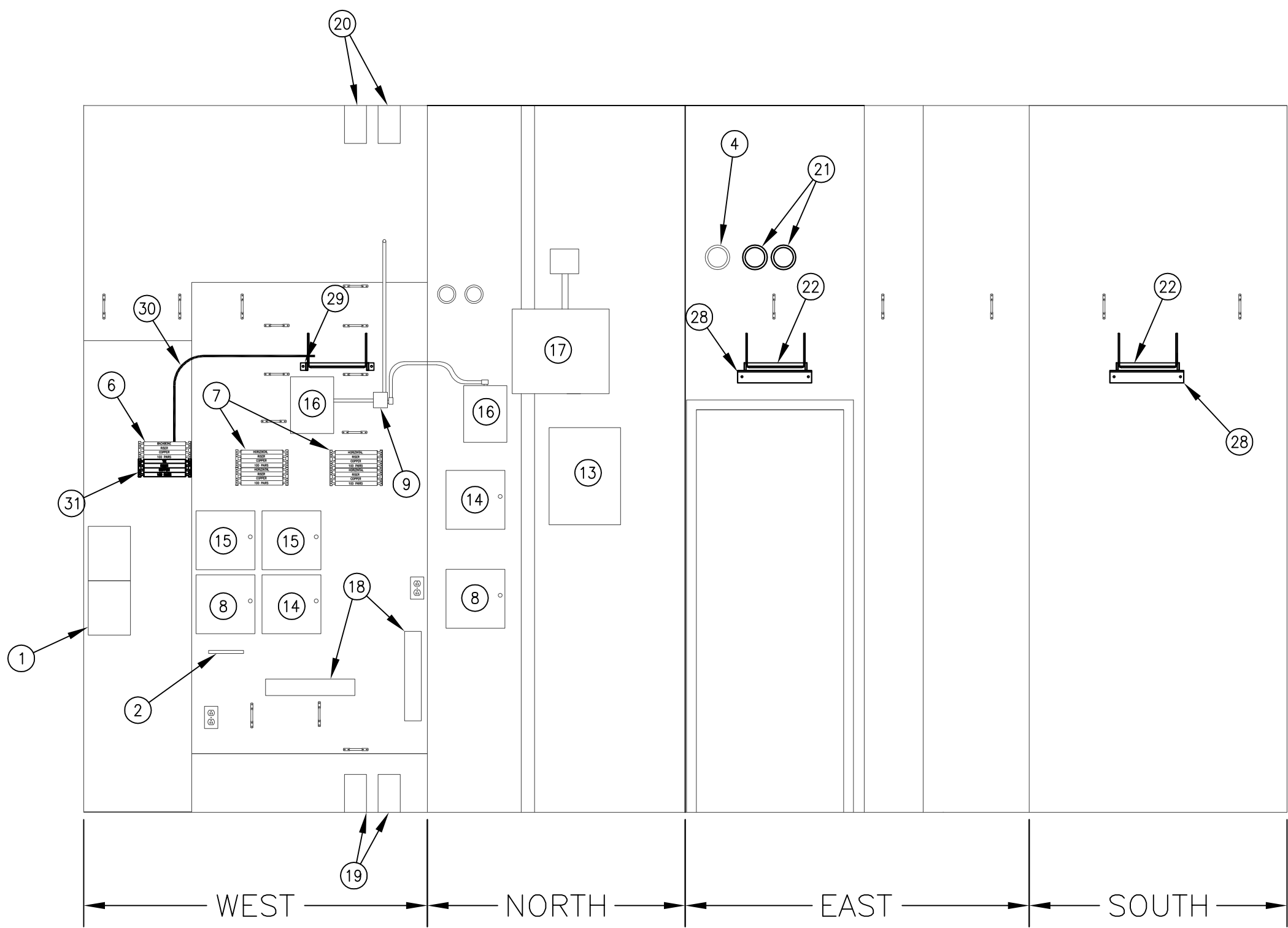
1 TELE/DATA ROOM 226 AND 227 PLAN
SCALE: 1/2" = 1'-0"



5 ROOM 227 110 FIELD PHOTO
SCALE: 1/2" = 1'-0"



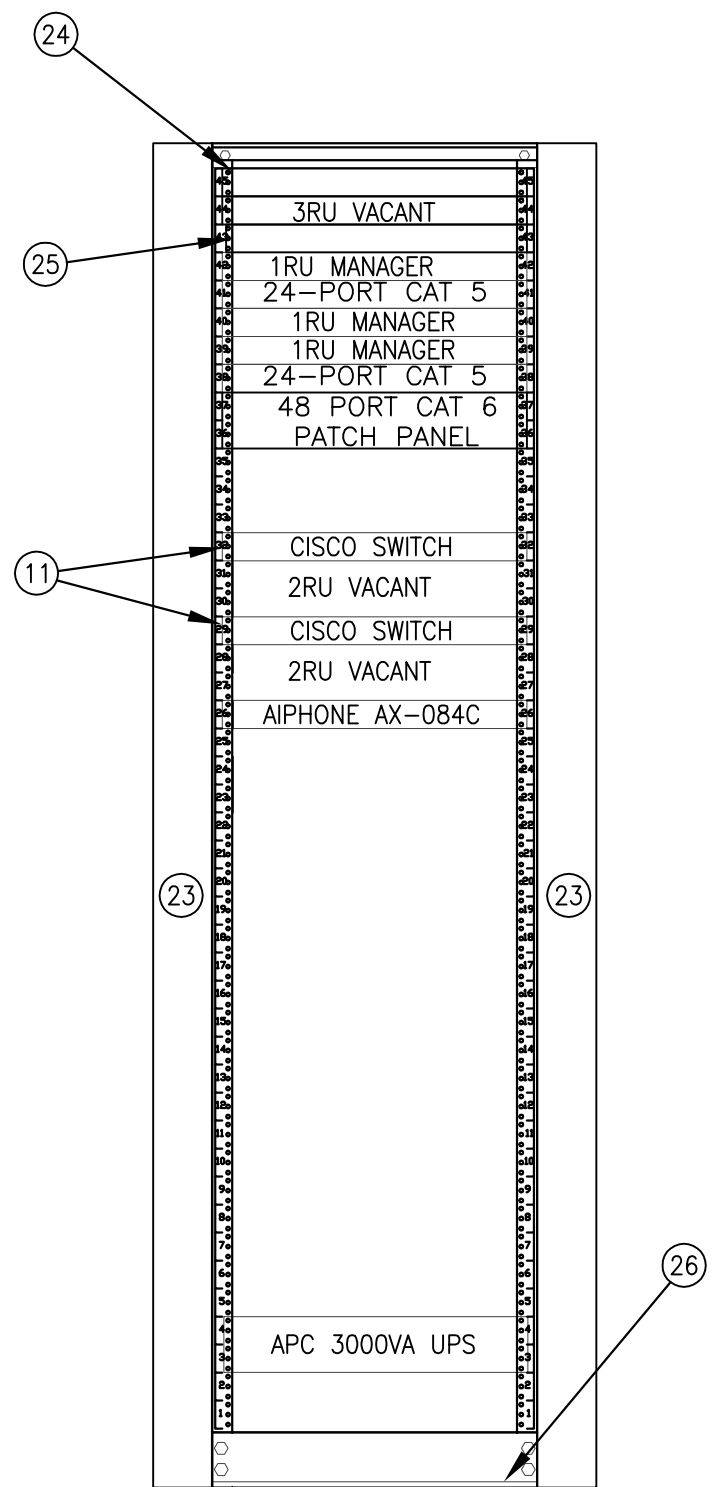
2 ROOM 227 PATCH PANEL PHOTO
SCALE: 1/2" = 1'-0"



2 ROOM 227 WALL ELEVATIONS
SCALE: 1/2" = 1'-0"



4 ROOM 226 WALL ELEVATIONS
SCALE: 1/2" = 1'-0"



EXISTING
EQUIPMENT RACK 1

3 ROOM 227 RACK ELEVATION
SCALE: 1" = 1'-0"



2 ROOM 226 PHOTO
SCALE: NONE

GENERAL NOTES:

- TERMINATE ALL CABLES FROM ALL FLOORS IN THIS TELECOMMUNICATIONS ROOM.
- FIRESTOP WALL PENETRATIONS AND CONDUIT SLEEVE ENDS AFTER INSTALLATION OF CABLES.
- COORDINATE WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND FIRE SAFETY WORK TO AVOID CONFLICTS. DO NOT BEGIN INSTALLATION OF TELECOMMUNICATIONS HARDWARE UNTIL DOOR IS INSTALLED AND SPACE IS PAINTED.
- REFER TO SHEET T3.1-3 FOR BONDING AND GROUNDING REQUIREMENTS OF TGB.

SHEET NOTES:

- (E) WALL MOUNTED OPTICAL FIBER ENCLOSURE.
- (E) GROUNDING BUSBAR.
- (E) EQUIPMENT RACK. SEE SHEET NOTE 26.
- (E) CONDUIT SLEEVES WITH FIRESTOPPING PUTTY.
- (E) CATV TAPS.
- (E) CAT-3 BACKBONE TERMINATION ON 110 BLOCKS, 901-1100. PROVIDE BLOCK FOR TERMINATION OF 25-PAIR TIE CABLE TO RACK.
- (E) CAT-5 HORIZONTAL TERMINATIONS ON 110 BLOCKS.
- (E) LENEL DATA PANEL.
- (E) FIRE ALARM JUNCTION BOX AND WITH WIRED DEVICE.
- (E) PATCH PANELS.
- (E) NETWORK SWITCHES.
- ABANDONED NURSE CALL TO BE REMOVED.
- DURESS ALARM PANEL. RE: T3.2-5.
- (E) LENEL POWER SUPPLY PANEL.
- (E) WATCHMATE POWER PANEL.
- (E) ALTRONICS AL600 ULX POWER SUPPLY PANEL.
- (E) JUNCTION BOX FOR DATA CABLING.
- (E) PLUG STRIP.
- (E) 2-4" CONDUIT SLEEVES TO FLOOR BELOW.
- (E) 2-4" CONDUIT SLEEVES TO FLOOR ABOVE.
- (N) 2-4" CONDUIT SLEEVES TO NEW CABLE TRAY IN CORRIDOR.
- (N) 300mm (12") LADDER STYLE CABLE RACK.
- PROVIDE TWO DOUBLE SIDED VERTICAL CABLE MANAGERS (CPI 13911-703 OR EQUAL), 3.9"W X 16.4"D X 7"H. DRESS EXISTING AND NEW HORIZONTAL CABLE IN BACK AND PATCH CORDS IN FRONT.
- (N) RACK MOUNTED GROUND BAR. RE: T3.1-3.
- NEW PATCH PANEL WITH 25-PAIR TIE CABLE FROM TWISTED PAIR BACKBONE TERMINATIONS ON 110 BLOCKS.
- MOVE EXISTING EQUIPMENT RACK TO ALLOW INSTALLATION OF VERTICAL MANAGERS AND PROVIDE NEW ANCHORS IN CONCRETE FLOOR. PLUG ABANDONED ANCHOR HOLES. REMOVE TOP ANGLES OF EQUIPMENT RACK TO PERMIT ROUTING OF CABLES TO REAR CHANNEL OF NEW VERTICAL CABLE MANAGERS. INFORM OWNER OF EXISTING PATCH CORDS THAT MUST BE REPLACED DUE TO INSUFFICIENT LENGTH.
- (N) 12" LADDER STYLE CABLE RACK INSTALLED AT 7'-6" A.F.F. INSTALL NEW CABLES ON CABLE TRAY.
- (N) WALL ANGLE SUPPORT KIT WITH J-HOOKS AT END OF CABLE TRAY ON WALL WHERE POSSIBLE.
- (N) FOOT KIT WITH SPLICE PLATES ON RAILS TO SUPPORT CABLE TRAY AND FIRE ENCLOSURE.
- (N) 25-PAIR, 24 AWG CAT 3 UTP CABLE TO EQUIPMENT RACK. ROUTE OVER NEW CABLE TRAY.
- (N) 110 WIRING BLOCK WITH LEGS. TERMINATE 25-PAIRS AND LABEL THE INSTALLATION.

REVISIONS	DATE

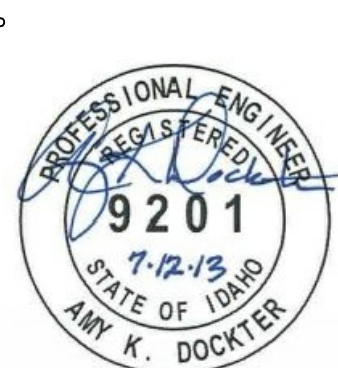
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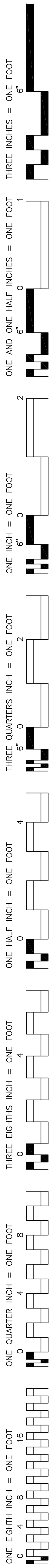
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DRAWING TITLE	
SECOND FLOOR TELECOMMUNICATION ROOM DETAILS	
APPROVED: CHIEF OF FACILITY MANAGEMENT SERVICE	
APPROVED: MEDICAL CENTER DIRECTOR	

PROJECT TITLE		
BOISE VAMC BUILDING 67 EXPANSION		
BUILDING NUMBER	CHECKED	DRAWN
67	JDR	JDR
LOCATION		
VAMC BOISE, IDAHO		

DATE
07/12/2013
PROJECT NO.
531-320
DRAWING NO.
T4.2
DWG 177 OF 191



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- A. TERMINATE ALL CABLES FROM ALL FLOORS IN THIS TELECOMMUNICATIONS ROOM.
- B. FIRESTOP WALL PENETRATIONS AND CONDUIT SLEEVE ENDS AFTER INSTALLATION OF CABLES.
- C. COORDINATE WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND FIRE SAFETY WORK TO AVOID CONFLICTS. DO NOT BEGIN INSTALLATION OF TELECOMMUNICATIONS HARDWARE UNTIL DOOR IS INSTALLED AND SPACE IS PAINTED.
- D. REFER TO SHEET E3.1-3 FOR BONDING AND GROUNDING REQUIREMENTS OF TMBG AND TGB.
- E. REMOVE PATH PANELS VACATED BY DEMOLITION PHASE.
- F. REMOVE HORIZONTAL MANAGERS ADJACENT TO EXISTING PATCH PANELS VACATED BY DEMOLITION PHASE.
- G. EXISTING NURSE CALL SYSTEM MAY REPLACED BY THE TIME THIS PROJECT IS IN THE CONSTRUCTION PHASE.

- (2) (E) WALL MOUNTED OPTICAL FIBER ENCLOSURE.
- (3) (E) GROUNDING BUSBAR.
- (3) (E) EQUIPMENT RACK. MOVE TO ACCOMMODATE NEW VERTICAL MANAGERS AND FASTEN TO CONCRETE FLOOR.
- (4) (E) CONDUIT SLEEVES WITH FIRESTOPPING PUTTY.
- (5) (E) CATV 8-PORT TAP.
- (6) (E) 200-PIAR-CAT-3 BACKBONE CABLE TERMINATION ON 110 BLOCKS, 901-1110.
- (7) (E) CAT-5 HORIZONTAL CABLE TERMINATIONS ON 110 BLOCKS. REMOVE ABANDONED CABLES, JUMPER WIRES AND PATCH CABLES.
- (8) (E) WALL-MOUNTED SECURITY PANEL.
- (9) (E) JUNCTION BOX.
- (10) (E) PATCH PANELS. RETIRE IF VACATED BY DEMOLITION PHASE. RETURN PATCH CABLES TO OWNER.
- (11) (E) NETWORK SWITCHES.
- (12) (E) CABLE TRAY TO BE EXPANDED. PROVIDE 6" BOLT ON LEGS.
- (13) (E) UPPER CABINET WITH COMDIAL PHONE SYSTEM.
- (14) (E) MIDDLE CABINET WITH NURSE CALL SYSTEM MISCELLANEOUS EQUIPMENT. REFER TO GENERAL NOTE G ON THIS SHEET.
- (15) (E) LOWER CABINET WITH NURSE CALL POWER SUPPLIES.
- (16) (E) NURSE CALL SYSTEM SERVERS AND UPS UNITS ON OVERHEAD SHELF.
- (17) (E) NURSE CALL SYSTEM ADMINISTRATION PC AND UPS.
- (18) (E) SLEEVES TO FLOOR BELOW.
- (19) (E) CLEARWIRE ANTENNA CABLES. DO NOT INTERRUPT SERVICE OUTSIDE PROJECT CONSTRUCTION PHASE BOUNDARY.
- (20) (N) TWO DOUBLED SIZED VERTICAL CABLE MANAGERS (CPI 13911-703 OR EQUAL), 3.9"W X 16.4"D X 7"H. DRESS EXISTING AND NEW HORIZONTAL CABLE IN BACK AND PATCH CORDS IN FRONT.
- (21) (N) TWO, CAT-6, 48-PORT ANGLED PATCH PANELS IN VACANT MOUNTING SPACES. TERMINATE, TEST AND LABEL NEW HORIZONTAL CABLES.
- (22) (N) RACK MOUNTED GROUNDING BUSBAR. BOND TO NEW WALL MOUNTED GROUND BAR. RE-3.1-3.
- (23) (N) ISOLATED GROUND BAR ON WALL. TERMINATE EXISTING BONDING CONDUCTORS ON 2-HOLE LUGS AND TRANSFER TO NEW BUSBAR. PROVIDE NEW BONDING CONDUCTORS. RE-E3.1-3.
- (24) (E) CISCO IP PHONE. RELOCATE TO WALL MOUNT BRACKET.
- (25) (N) SECTION OF LADDER STYLE CABLE TRAY TO EQUIPMENT RACK. CONNECT TO EXISTING TRAY AND BOND TO TGB.
- (26) (N) CAT-3 PATCH PANEL FOR 25-PAIR CABLE AND 24, RJ45 JACKS. 1 ACTIVE PAIR ON PINS 4&5. TERMINATOR PAIRS 24 AND 25 ON LAST JACK.
- (27) (N) 110 WIRING BLOCK WITH LEGS AND C5 CONNECTOR BLOCKS. TERMINATE 25-PAIR UTP CAT 3 CABLE TO NEW PATCH PANEL ON EQUIPMENT RACK. LABEL AND TEST THE INSTALLATION.
- (28) (N) 25-PAIR, 24 AWG UTP CABLE FROM 110 WIRING BLOCK TO NEW PATCH PANEL. ROUTE TO EQUIPMENT RACK OVER EXISTING AND NEW CABLE TRAY. OWNER TO PROVIDE JUMPERS AND PATCH CORDS TO ACTIVATE VOICE GRADE CIRCUITS AS NEEDED.
- (29) (E) OUTLETS SERVING NURSE CALL SYSTEM.
- (30) (E) REMOTE ACCESS KVM SWITCHES.